

19980703.qrp v01_n141.qrs.980703

Date: Fri, 3 Jul 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1141

QRP-L Digest 1141

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- 1) [14236] KJ5VW's 2N2222 Receiver - More Progress
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 2) [14237] sst vxo
by marion@montana.com
- 3) [14238] 30Mtrs in VK-land
by nq2rp@juno.com (B/BAMS Club Station)
- 4) [14239] For sale items
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- 5) [14240] Fwd: Schematic needed
by Bill Myers <bjmyers@arc.net>
- 6) [14241] [Fwd: How low can we go? Less than a watt?]
by Lisa Osier <osier@northnet.org>
- 7) [14242] NC 20
by Ward Hill <w_hill@ns.net>
- 8) [14243] QRP DX
by "Ron Polityka" <wb3aal@talon.net>
- 9) [14244] Beacons
by "Ron Polityka" <wb3aal@talon.net>
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by nilsbull@juno.com (Nils R Young)
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- 12) [14247] Neophyte Receiver-Thanks!
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- 13) [14248] Re: Batteries
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 14) [14249] Re: Batteries
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 15) [14250] New Products from Morse Express
by "Marshall Emm" <mgemm@mtechnologies.com>
- 16) [14251] Re: Batteries, chargers, charge controllers & control's control by
the need to control &c
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 17) [14252] RE: WA2HOQ
by RangerSF5@aol.com
- 18) [14253] ok, heres my FD report

- by Ab7wy@aol.com
- 19) [14254] Counter Preamp ???
by "Mike Rhodes" <weightdn@bright.net>
 - 20) [14255] AC6UV Gody Pacific Crest Trail w/QRP
by "Frank A. West" <ke6vbm@earthlink.net>
 - 21) [14256] Solar: 4th of July
by Paul Harden <pharden@aoc.nrao.edu>
 - 22) [14257] Argo 509 RIT problem....
by David Gauding <david.gauding@bbs.galilei.com>
 - 23) [14258] Re: Dipole as a reference antenna
by "George T. Baker" <w5yr@swbell.net>
 - 24) [14259] Comm. Quarterly
by astone@erols.com
 - 25) [14260] QRP Logs....gone
by N4JS <n4js@pobox.com>
 - 26) [14261] Elmer101: part 7 answers
by mikemo@ibm.net
 - 27) [14262] Elmer101: Part 8, Cohn crystal filter
by mikemo@ibm.net
 - 28) [14263] RE: CBer's on and around 10 meters
by kf4tbs@juno.com (Matthew G Robertson)
 - 29) [14264] Re: IC706/II QRP/CW performance
by Bob Patten <n4bp@bc.seflin.org>
 - 30) [14265] Re: Need source for ferrites: Amidon, etc.
by W7LS <w7ls@blarg.net>
 - 31) [14266] Found Logs!
by n4js@pobox.com (John Sielke)
 - 32) [14267] Gel-Cell Charge Contoller Kits ?
by Conrad <radman@best.com>
 - 33) [14268] NWQ 40m SSB net !
by ROYGREGSON@aol.com
 - 34) [14269] For sale items
by Roy Jackson <rjackson@iname.com>
 - 35) [14270] Re: CBer's on and around 10 meters
by "Terry Bassett" <mutabut@net66.com>
 - 36) [14271] Re: Gel-Cell Charge Contoller Kits ? & new question
by "Terry Bassett" <mutabut@net66.com>
 - 37) [14272] WTB: MSC "Smart Filter"
by "Tim Cook" <timcook@erinet.com>
 - 38) [14273] Re: CBer's on and around 10 meters
by David HM Spector <spector@zeitgeist.com>
 - 39) [14274] 17 meters (CW)
by Charles Kadesch <chas@digizen.net>
 - 40) [14275] Icom 725 FS
by jim <kw3u@warwick.net>
 - 41) [14276] Re: IC706/II QRP/CW performance
by af852@rgfn.epcc.edu (William R Colbert)
 - 42) [14277] FS/Swap TenTec Century 21

by jalbertin@juno.com (Jerry Albertin)

43) [14278] books for sale
by Jack Parker <Pparker@greatbasin.net>

44) [14279] Mi Sprint
by ab5uacw@juno.com (Clifton W Sikes)

45) [14280] NF3I/m field day log
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

46) [14281] Re: Dipole as a reference antenna
by Zack Lau <zlau@arrl.org>

47) [14282] Re: Tixie 2B
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

48) [14283] Re: Gear for Sale
by Bob Hightower <ki7mn@dancris.com>

49) [14284] Re: Gear For Sale
by Bob Hightower <ki7mn@dancris.com>

50) [14285] Re: books for sale
by Jack Parker <Pparker@greatbasin.net>

51) [14286] Re: Dipole as a reference antenna
by Monte Stark <ku7y@dri.edu>

52) [14287] Re: Elmer101: Part 8, Cohn crystal filter
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>

53) [14288] Re: Gel-Cell Charge Controller Kits ? & new question
by Andy Fox <foxes@theriver.com>

54) [14289] Re: Elmer101: Part 8, Cohn crystal filter
by Bruce Muscolino <w6toy@erols.com>

55) [14290] Re: Gel-Cell Charge Controller Kits ?
by Richard Sherman <srichard@aldus.northnet.org>

56) [14291] Re: Mi Sprint
by Bob Patten <n4bp@bc.seflin.org>

57) [14292] Paddlet
by DENNISMO@aol.com

58) [14293] RE: Items for sale
by Wayne Alexander <walexander@wwn.net>

59) [14294] Re: IC706/II QRP/CW performance
by RangerSF5@aol.com

60) [14295] QRP and DX
by RangerSF5@aol.com

61) [14296] Re: How low can we go? Less than a watt?
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>

62) [14297] QRP DX
by "Ron Polityka" <wb3aal@talon.net>

63) [14298] Elmer101: oops
by Michael Maiorana <mikemo@ibm.net>

64) [14299] July 19th is Approaching
by "Marshall Emm" <mgemm@ntechnologies.com>

65) [14300] FOR SALE - MFJ-9406X 6-METER SSB ADVENTURE RADIO
by Bill Wetherill <n2wg@wilmington.net>

66) [14301] RE: Paddlet (re: "Paddlette")

by Conrad <radman@best.com>
67) [14302] QRP DX:
by "Lawrence T. Owens" <w4dec@dibbs.net>
68) [14303] RE: Paddlet (re: "Paddlette")
by Monte Stark <ku7y@dri.edu>
69) [14304] Re: Mi Sprint
by k8cv@juno.com
70) [14305] Ohio Scientific RM-116E Clock
by adams@chuck.dallas.sgi.com (Chuck Adams)
71) [14306] AC6UV last minute Band change
by "Frank A. West" <ke6vbm@earthlink.net>
72) [14307] Brown Brothers BTL and Bencher Restoration
by adams@chuck.dallas.sgi.com (Chuck Adams)
73) [14308] QRP DX on 20 This Morning.
by k7sz@juno.com (Rick Arland)
74) [14309] For sale swap.....Wanted
by RangerSF5@aol.com
75) [14310] MAJOR Problem
by "JUNIUS B FOX" <w5hir@gte.net>
76) [14311] Re: Brown Brothers BTL and Bencher Restoration
by Bill Jones <kd7s@psnw.com>
77) [14312] "How low can you go???"
by Lisa Osier <osier@northnet.org>
78) [14313] Re: CB/QRP & 10 Meter AM
by k7sz@juno.com (Rick Arland)
79) [14314] 300 ohm TWINLEAD CLARIFICATION
by ARDUJENSKI@aol.com
80) [14315] Re: 300 ohm TWINLEAD CLARIFICATION
by Bob Edwards <w4ed@flash.net>
81) [14316] Re field day filters
by mike czuhajewski <wa8mcq@abs.net>

Date: Thu, 02 Jul 1998 18:03:06 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [14236] KJ5VW's 2N2222 Receiver - More Progress
Message-ID: <359C11A2.A74@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I'm making some slow progress on my 2N2222 receiver and need some more help. I now have it working up through the product detector/BFO.

I inadvertently shorted out the diodes in the first mixer and had to re-build the Double Balanced Diode Mixer. THEN, I shorted a wire from 12 volt positive to ground across the collector of the post-mixer amp and had to replace that. I continue to find new ways to be "thoughtlessly" clumsy.

BUT, I am now getting a nice clean sine wave feeding from the IF amp into the product detector and a "somewhat dirty" audio wave of about 800 Hz coming out of the product detector. I'm back to reading the books about diplexer's and ways to clean up the audio. But before I get much farther along, I need some advice about the gain distribution from front end to audio.

At the moment, my IF amp is a single 2N2222 and I'm getting about 12 dBm gain out of it. I assume that I should probably shoot for a little more gain here. Right? But how much more? I've read about some IF amp's getting 30-40 dBm. How much gain should I try for at the audio stage? Is another 30-40 dBm appropriate I know that direct conversion receivers often try to get 100dBm out of the audio because they don't have IF amp's. I assume that if I have to go from a microvolt RF signal to a half watt audio signal that I will need something in the order of 100 dBm gain across the entire receiver? Is that too much or too little?

So far, I've learned that nearly everything is a compromise, so where do I make them? In my design, here's where I have room to make the compromises:

Double-tuned pre-selector must be some loss here
RF pre-amp how much gain should I try for here?
Double-tuned pre-selector again more loss

Note: It's a 40 meter design and I know I wouldn't HAVE to use an RF pre-amp, but I wanted to make a crunch-proof front end and with a two sets of double-tuned pre-selector's thought I'd probably need to make up some of that loss. Bad assumption???

DBDM mixer have a loss here, probably about 6 dbm
post-mixer amp how much gain here? Currently getting about 10dBm
4-pole crystal
filter (~250 Hz BW) have a loss here, hmmm...a 6-8 dBm loss?
IF amp how much gain here? Have 12dBm now, need more?
DBDM product det. more loss here, another 6 dBm
audio amp (pre-amp useful?) how much gain here?

Do I want to get most of my gain in the IF amp stage or would it be better to spread it across the IF amp and audio stages???? I know these things interact and effect dynamic range, noise and IMD, etc.

Whatcha think ?

Thanks in advance for your help.

Gary, KJ5VW

Date: Thu, 2 Jul 1998 18:20:44 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [14237] sst vxo
Message-ID: <199807030020.SAA24716@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I put two crystals in both of my SST's to extend vxo range. One is 20mtrs and the other is one I moved to 15mtrs. With the MVAM108 varactors I was able to get about 20khz range. I was experimenting with different varactors I had on hand. Was not getting much difference. Then I tried a MV1404. WOW! The 20mtr version is covering from 14.013 to 14.064. The 15mtr version is covering from 21.039 to 21.073. Scope shows solid waveforms across oscillator ranges. I don't know where to get them. They don't show up in my cross reference, so I don't even know what they are rated as. Mine were in a envelope of a dozen, that was in one of Dans Small Parts 20lbs of parts for \$10.00. They are not listed on his current page. If any one knows what they are rated or where to get them, they might inform the rest of the list. 72 Roy AB7CE

Date: Thu, 02 Jul 1998 20:08:27 EDT
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-1@Lehigh.EDU
Subject: [14238] 30Mtrs in VK-land
Message-ID: <19980702.200811.6719.1.nq2rp@juno.com>

>From the Wireless Institute of Australia -

Australian Bandplans - 1996 30M Band
=====

Band Limits: 10100-10150 KHz
Secondary Service: 10100-10150 KHz

Access: Unrestricted Licensee Only

CW	10100-10150
FSK	10140-10150
AM/SSB	10115-10140

** Avoid 10141.5 +/- 4 KHz

NOTE: FSK includes all digital modes such as RTTY, packet and Amtor, using frequency shift keying and occupying bandwidths up to 1.12KHz. The SSB/AM segments can also be used for other voice modes or image transmission using bandwidths up to 6KHz. Maximum permitted bandwidth for FM below 29MHz is 6KHz.

=====

This is an actual allocation, not some "Gentlemen's Agreement"...

It appears that their regulating agency feels that the hams "Down Under" can share the band with the primary users, even on Phone. Considering past comments about using frequencies already occupied with PACKETOR/SITOR?RTTY or other non-CW modes for tuning up and testing, I think that the term "Gentlemen's Agreement" has become an oxymoron in the hobby up this way.

If you want to check out the Phone and CW/Digital band limits Down Under, there is an entry for each of the amateur bands in Australia on their site at www.vk5wia.ampr.org/wia/bandplan/

Check it out. I seem to remember from my operation in VQ9-land in 1974 that the VK's and ZL's were limited to 400 watts out, but I don't know if that's really the case, or just a bum memory at this end...

72/73, Keith, WB2VU0 at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.2875 MHz
"My night light runs more power than my Rig!!!"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 02 Jul 1998 19:11:28 -0500
From: Roy Jackson <rjackson@iname.com>
To: qrp-1@Lehigh.EDU
Subject: [14239] For sale items
Message-ID: <3.0.5.32.19980702191128.007b1ae0@mail.netnitco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This list moves fast. The WM-1 and the Century 21 are spoken for. The two OHR Explorer II's are still available.

73, Roy N9RG

Roy Jackson, N9RG Michigan City, Indiana
QRP-L #447

Date: Thu, 02 Jul 1998 20:10:48 -0500
From: Bill Myers <bjmyers@arc.net>
To: "Low Power Amateur Radio Discussions" <qrp-1@Lehigh.EDU>
Subject: [14240] Fwd: Schematic needed
Message-ID: <199807030105.UAA07277@sparky3.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can anyone help this guy out. Please e-mail him direct.
His e-mail address is: gravden0@cmarivic.qc.ca

>
> From: "Denis Gravel"
> To:
> Subject: Schematic needed
> Date: Tue, 23 Jun 1998 08:23:15 -0400
> X-Mailer: Microsoft Outlook Express 4.72.2106.4
>
> I'm a scoutchief and I'm looking for a schematic for a morse code
oscillator.
> 2 transistors without transformer. It's a project to be built by 9 to 11
year
> old cubs.

> Where can I find that scematic ?
> Tks
> Denis Muzungu Gravel
> 514-325-0150
> Fax 514-328-3830

Date: Thu, 02 Jul 1998 08:17:14 -0700
From: Lisa Osier <osier@northnet.org>
To: qrp-1@Lehigh.EDU
Cc: osier@northnet.org
Subject: [14241] [Fwd: How low can we go? Less than a watt?]
Message-ID: <359BA47A.24E9@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kelly Ellison wrote:

>
> Hi,
>
> I took the day off today and had a chance to get on 20 meters with the
> OHR Classic running one watt.
> I called CQ on 14.060 and was immediately called by K2KJ, Joe in NC. He
> was running a Argonaut II and a loop antenna. We had a nice QSO and then
> at the end, We both dropped power to 500 millawatts with no problem, then
> 250 millawatts, still no problem other than some QRM... then I dropped to
> 100 Millawatts,
> Then I think 50 Millawatts and Joe still copied except for some problems
> with QRM. Amazing what you can do with such low power. I used a OHR
> WM-1 Wattmeter for my readings. The antenna I was using was a 280 ft
> rectangle loop up 45 ft fed with 100 ft of ladder line and hooked to a HB
> coaxial choke to a
> LDG AT-11 Tuner. I kept checking the meter scale because I couldn't
> believe he could still copy me.
> Maybe I will do a weekend mW Beacon if there is enough interest.
>
> 73,
>
> Kelly Ellison
> WB0WQS

Sounds great Kelly!!!

During CQ WW CW Contest worked DF3RQ with 280 MW on 15 meters and was very surprised at what 1 watt or less can do...if you think that is fun...try MICROWATTS..... QRP IS TRULY AMAZING!!!! ...WAIT TILL THE BANDS REALLY GET GOING!!!!

73/72S

George Osier N2JNZ

> Aurora, Missouri

Date: Thu, 2 Jul 1998 18:21:50 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-l@Lehigh.EDU
Subject: [14242] NC 20
Message-ID: <l03130301b1c1f08ba9de@[207.159.15.80]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone know the status of the NorCal 20? I haven't seen anything on it for sometime.

72,

Ward Hill, WA6FUH
Engineer at KOVR, Channel 13 (CBS), Sacramento, CA
<http://www.kovr13.com>
"Eagles may soar, but weasels aren't sucked into jet engines"
Life Member ARRL NorCal Zombie #2660 10-10 #27139
QRP-L #1117 AK/QRP #249 QRP ARCI # 9686
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Thu, 2 Jul 1998 21:23:29 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [14243] QRP DX
Message-ID: <003101bda621\$324d4be0\$4c5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

On Thursday night around 0100 UTC I worked EA3FTJ
in central Spain on 1 watt and the vertical. He gave me
a 579! 3682 Miles per watt, I like 15 meters!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Thu, 2 Jul 1998 21:30:35 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [14244] Beacons
Message-ID: <003601bda622\$3e443c00\$4c5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Attention all those Beacon Station and Hunters of Beacons!

I would like to make a page on the EPA QRP Web Page to list all the beacons that would be on the air during weekends or any other time. If you are going to run a beacon please send me all the information, time, freq. & power. You know all the important stuff and I will post it on the page.

This way anyone that wants to look for your beacon, they have a place to find the information about your beacon.

Thanks,

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Thu, 2 Jul 1998 20:53:48 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [14245] Batteries, chargers, charge controllers & control's control by
 the need to control &c
Message-ID: <19980702.205358.6702.0.nilsbull@juno.com>

Gang,

I went over to Roger's place today and picked up a 7 Ah batt for 12 bucks. Then I took it home, hosed it up to the traveling radio box &c and turned on a radio. Surprise! It had a charge and the radio played for nearly an hour before I found Mikey Bryce's charge controller. Which was not attached to the solar panel that I had tried before, which is another story.

So I fixed up the AC/DC switch (dah!-dah!-dah! . . . dah!-dah! dah!-dah!) and made a kinda deal to charge the batt while the AC power supply was

on. Then I thought about it some more and hosed up Mike's charge controller card between the AC and the batt and checked it out. Charge light came on. Figure that's a good sign.

So. . . is this cool or am I trying to blow something else up? I mean, using the charge controller to control the charge of a battery while using an external, non-solar, regulated DC power supply instead of the solar panel?

The aliens are three days away and they're on television & I have my "Dobbs Approved" T-shirt all set to go. Think I'll need the battery after 7 a.m. on Sunday morning? Will my computer recognize me when I get there? Can I get extra tapioca?

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 2 Jul 1998 20:49:03 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-1@Lehigh.EDU
Subject: [14246] Dipole as Reference ant
Message-ID: <199807030149.UAA23725@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High Gang"

Wow, was all that interesting.

I guess it still comes down to what works best for what u... is want to do at ur particular location... for me, it has been the yagi and the half-square with the vertical loop fed for vertical polORIZATION...

I have always used the dipole, at my qth, as the reference to whatever I finally left up in the air... didn't know things got that technical with the dipole...

Great list, good information...

God Bless

joel wa5cvm in maine north of dixie but south of bangor maine

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

3 element Half Square on 40mtr Half Square on 30

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Thu, 02 Jul 1998 21:51:05 EDT

From: k7sz@juno.com (Rick Arland)

To: qrp-l@Lehigh.EDU

Subject: [14247] Neophyte Receiver-Thanks!

Message-ID: <19980704.020642.6799.21.k7sz@juno.com>

Thank you to all who responded. A copy of the article is on the way.

This kit is going to Nick Marzocca, son of Dean, N2TNN. They both attended our FD for the last 2 years and Nick was really excited about getting his license this year. So this kit will make a great starter project for a future QRPer. In addition to the kit I am sending along the latest edition of "Now You're Talking". Hopefully, next year K7SZ will have a Novice station manned by Nick.

Tnx again, guys.

73 rich K7SZ

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 02 Jul 1998 21:53:08 -0400

From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

To: Chuck Adams <adams@chuck.dallas.sgi.com>

Cc: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>

Subject: [14248] Re: Batteries
Message-ID: <359C3984.BB391F92@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Size is about 10" x 14" including the side mounted "jumper cables". I'd put the wieght at about twenty pounds. You wouldn't want to backpack with it but it makes an idea all around home station power source for a QRP operation.

Chuck Adams wrote:

>
> Skip,
>
> Size, weight????
>
> Chuck Adams K5FO Dallas,TX CP-60
> <http://reality.sgi.com/adams> adams@sgi.com

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Author of: RADIO MONITORING The How-To Guide

ISBN 1-56866-101-0

Index Publishing Group, San Diego, CA

ipgbooks@indexbooks.com

<http://www.electriciti.com/~ipgbooks>

Date: Thu, 02 Jul 1998 21:55:07 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: crc@io.com
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [14249] Re: Batteries
Message-ID: <359C39FB.571E0B91@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You got it right. My finger slipped. If you've heard my keying your
wouldn't be surprised.

crc wrote:

>

> T.J. "SKIP" Arey N2EI wrote:

> >

> > I picked up a unit at Sams Club put out by Century called a Jumper 850

> >

> > It's designed to jump start cars but it has a light plug hole (used in

> > reverse for recharging) Paid \$9.95 with a \$10 rebate coming my way.

> >

> > >Skip: I went to my local Sams and that unit was \$39.95 is your Sams cheeper
or os mine wrong on it's priceing ?

> Thanks ,charlie WA5KRF crc@io.com

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Author of: RADIO MONITORING The How-To Guide

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<http://www.electriciti.com/~ipgbooks>

Date: Thu, 2 Jul 1998 20:15:39 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: qrp-l@Lehigh.EDU, cqclist@mtechnologies.com,
Milestone.Technologies.Announcement.List@edison.chisp.net

Subject: [14250] New Products from Morse Express

Message-ID: <199807030214.UAA16580@edison.chisp.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Morse Express has the following new products in stock and available for
immediate delivery:

BOOKS (In some cases, Morse Express is the ONLY place you can
buy these books with a credit card!)

<http://www.mtechnologies.com/books>

Tom Perera's Telegraph Collector's Guide - \$10

Tom French's Vibroplex Collector's Guide - \$19.95

Dave Ingram's "Keys II - The Emporium"
and "QRP Now!" \$15.00 each.

TOOLS:

<http://www.mtechnologies.com/tools>

3-Way 12V Lighter Adapter - \$7.95

4" brass calipers - \$3.95

You can use our secure ordering facilities on the web site, or call
(800)238-8205 toll free to order by phone.

Date: Thu, 2 Jul 1998 22:38:13 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <nilsbull@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14251] Re: Batteries, chargers, charge controllers & control's control
by the need to control &c
Message-ID: <199807030241.WAA08599@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Nils,

You have done it!! This is the method I use all of the time to charge my
gel cells. Mike Bryce's charge controller is so dumb it doesn't know it's
connected to a power supply instead of a solar panel. Need to run the
power supply voltage up to 14.5 or 15V, though.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> on. Then I thought about it some more and hosed up Mike's charge
> controller card between the AC and the batt and checked it out. Charge

> light came on. Figure that's a good sign.
>
> So. . . is this cool or am I trying to blow something else up? I mean,
> using the charge controller to control the charge of a battery while
> using an external, non-solar, regulated DC power supply instead of the
> solar panel?

Date: Thu, 2 Jul 1998 22:41:35 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org, klqrp@waterw.com
Subject: [14252] RE: WA2HOQ
Message-ID: <689c4f41.359c44e1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,
Just want to wish everyone a
happy 4th of July.
Looks like a good weekend for QRP and DX.
Bob
WA2HOQ

Date: Thu, 2 Jul 1998 22:46:43 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14253] ok, heres my FD report
Message-ID: <76d9f6aa.359c4614@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

If any of the good operators out there had a low , or otherwise not-spectacular score for field day, let me cheer you up.
anyone that knows me knows i love contesting QRP style, but it had been 12 years since my last field day so i though "hey, its a close relative of the traditional contest", and since there are no really big tests coming up...i jumped in. ok, its been a long time so i assumed(you know what they say about that!) that the test would start like other tests....at 0000 gmt friday/saturday. and i must tell you i dont have a permanent station set-up, im a cliff dweller, so i have to take everything out and set it up to operate.

anyway, i found the correct starting time....and missed getting on for the first 11 hours of FD. i heard plenty of stations on 40 CW...and went for it....time after time i called....nothing, i checked everything, it was all ok.....at the end of it all i had 7 qso's....AND ONE WAS A DUPE!! well, the dupe was very un-natural for me (especially with only 7 qso's) hey, i was really tired,hihi!! i guess it doesnt matter because the idea of field day isnt a score, but more of a way for us to practice emergency preparedness (sp?) and introduce new people to our wonderful hobby.
for those who are interested...i was running my MFJ9040 to an inverted V from my third story apartment balcony (facing east). i was also using my very old speed-x bug....cw sure is a pleasure, we must always try to keep it alive.
anyway, ive rambled enough, thanx for the bandwidth...have a safe fourth of july and work lots of qrp dx, 72, Adam, AB7WY/QRP ex-N7RAP, NL7CT

Date: Thu, 2 Jul 1998 22:56:49 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14254] Counter Preamp ???
Message-ID: <01bda62e\$39702840\$LocalHost@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an older Ramsey 600mHz counter and while it works well, the sensitivity leaves a lot to be desired. There have been recent magazine articles about broadband amps and think there may have been mention of something here on the reflector too. Anyhow, I'm looking for input from anyone who has had experience with any of these devices. I'm going to build one but would prefer to build the 'right one' the first time. Any and all input will be welcome. Please reply direct as I get the digest version of the list. Kits or a FAR or similar circuit board are the preferred methods.

Thanks and 72/73 de

Mike / W8DN

Date: Thu, 2 Jul 1998 20:01:39 -0700
From: "Frank A. West" <ke6vbm@earthlink.net>
To: "QRP Group" <qrp-1@Lehigh.EDU>, "Roger KD6CC Mc Carty" <rmccarty@earthlink.net>, "Larry KR6LO" <KR6LO@aol.com>, "Dave AC6W0" <cochise@pacball.net>

Subject: [14255] AC6UV Gody Pacific Crest Trail w/QRP
Message-ID: <199807030301.UAA20590@hawk.prod.itd.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hey Gang - Here is the latest itinerary on Gody AC6UV - Back on the Pacific Crest Trail today. He has decided to take only 40m with him for the rest of the trip. Gody will rest and "play radio" as he calls it on Saturdays. Sked 7.040 +- 9 to 10am Pacific Daylight time
Hope you give him a call if you hear him.

Best 72 de Frank KE6VHM

>

> 7/4	Tuolumne Meadows	CA		
> 7/9	Bridgeport		CA	
> 7/13	Echo Lake Resort	CA		
> 7/19	Sierra City		CA	
> 7/24	Belden Town	CA		
> 7/29	Old Station		CA	
> 8/1	Burney Falls		CA	
> 8/4	Castella		CA	
> 8/9	Etna			CA
> 8/12	Seiad Valley		CA	
> 8/18	Hyatt Lake		OR	
> 8/22	Crater Lake Lodge	OR		
> 8/27	Cascade Summit	OR		
> 8/30	Elk Lake Resort		OR	
> 9/1	Olallie Lake			OR
> 9/4	Timberline Lodge		OR	
> 9/7	Cascade Locks		OR	
> 9/14	White Pass			WA
> 9/19	Snoqualmie Pass	WA		
> 9/23	Skykomish		WA	
> 9/29	Stehekin			WA
> 10/4	Canadian Border			

>

> QRP schedule with No Cal and So Cal:

> 40m 7.040 plus/minus

> Saturdays 9 to 10am PDT

>

> 72's Sam Imai KF6ML

>

>

Date: Thu, 2 Jul 1998 21:26:04 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [14256] Solar: 4th of July
Message-ID: <Pine.SOL.3.91.980702205805.22081A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The solar and geomagnetic conditions are quiet and stable. Current solar flux is 120 (thursday) with 120-116 predicted next 3 days. The slow drop in solar flux is presumably just due to the 28-day solar cycle, which peaked out a couple of days ago. This is high enough to see some favorable propagation on 15M, but only sporadic openings on 10M.

A-Index (geomagnetic index) is 8 with 8-12 predicted next 3 days. This is basically quiet levels.

The only significant flare lately was yesterday's C-6, and it appears the Earth will be in the trajectory of its particle radiation from the shock wave. This will hit on the 4th or 5th to cause some geomagnetic disturbances, but likely only to active (non storm) levels and relatively short lived.

A couple of sunspot areas on the sun continue to show signs of activity, but NOAA is predicting only C-class flares over the next few days, so nothing imminent appears to destroy the long weekend on the bands.

The low A-index means 40M should be fairly quiet at night; the solar flux in the 116-120 area means good daytime 20-15M conditions, and occasional openings on 10M, with early evening 20M DX as well. Even for Alaska! (Although, a geomagnetic disturbance on the 4th will linger a bit longer in the higher latitudes).

SATELLITE WATCH: If it is clear in your area on the 4th of July, go outside as it gets dark and look for satellites. Something to do while the kids are waiting for the firework displays ... satellites are best seen right at dusk into total darkness, and easy to spot due to their quick movement. If your kids have never seen a satellite, it can be a memorable moment to share with them. For best viewing, I suggest get fully relaxed with a couple of cool ones, then put the lawn chair into a near horizontal position -hi.

There is no significant news to report on the failure of the SOH satellite.

Enjoy the holiday,
Paul NA5N

IV. PENTICTON 10.7 CM FLUX
OBSERVED 02 JUL 120
PREDICTED 03 JUL-05 JUL 120/118/116
90 DAY MEAN 02 JUL 108

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 01 JUL 006/008
ESTIMATED AFR/AP 02 JUL 012/012
PREDICTED AFR/AP 03 JUL-05 JUL 010/012-015/015-015/015

Date: Thu, 02 Jul 1998 22:15:23 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@Lehigh.EDU
Subject: [14257] Argo 509 RIT problem....
Message-ID: <1.5.4.32.19980703031523.00ccb724@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear QRP-Ler's,

I'm posting this for Jim Smith, N00CT as he is not currently a subscriber.
If you have any suggestions for resurrecting his 509, please reply directly
to <jimn0oct@aol.com>.

Many thanks in advance!

de Dave, NF0R nf0r@slacc.com

>Hi guys n gals,

>

>Been lurking here for awhile, and enjoy all the conversations, fixes and
>praise for TT gear. I now have a problem with my Argonaut '509 [my only piece
>of TT gear, but hopefully that will change soon!]. The RIT [I believe it is
>called Offset Tone Control in the '509 manual] control, when in the off
>position, does not have the proper offset in order to "net" a received signal.
>When the RIT is on, I can net the received signal so that a QSO can take
>place. Here is some additional info:

>
> - All the voltages on the control board, as specified in the 509 manual, are
>correct within limits.
>
> - Adjusting the offset adjust pot on the control board [with the RIT off]
>will change the received signal so that it is now "netted", but the transmit
>offset is still out of range.
>
> - Checking the output of the oscillator board shows that the injection
>frequency does not change between TX and RX with the RIT off. With the RIT on
>and in a position to net an incoming signal, the TX and TX change about
>700-800 Hz [as would be expected].
>
>Is it correct to assume that the TX and RX injection frequency coming from the
>VFO should be offset from each other by ~800 Hz even with the RIT off? I
>think so, but this rig may be different.
>
>Help! I need some guidance. My summary is that the offset is working when
>the RIT is turned on, but isn't working when the RIT is turned off. This is
>further supported by the fact that the offset voltage going to the oscillator
>does not change between TX and RX with the RIT off, but does change with the
>RIT on.
>
>Any help will be greatly appreciated--I really like my '509, and hope to get
>it back on the air soon.
>
>
>73, Jim n0oct
>
>jimn0oct@aol.com
>

Date: Thu, 02 Jul 1998 22:47:55 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: applitech@mcg.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14258] Re: Dipole as a reference antenna
Message-ID: <359C546B.CA5E253B@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cla, I think that more and more we are going to see antennas rated according to their modelled performance instead of their "measured" performance. That really levels the playing field and takes all the actual range uncertainties out of the equation, including the special attenuators they obtain from the Marketing Dept.

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

C

Date: Fri, 03 Jul 1998 00:02:54 -0700
From: astone@erols.com
To: qrp-l@Lehigh.EDU
Subject: [14259] Comm. Quarterly
Message-ID: <359C821E.47BB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi -- Does anyone have a recent issue of Communications Quarterly that has an article by Bill Carver on a frequency counter with VFO stabilizer? I'd like to get a copy of that article if possible. Thanks for your help.

72,

Ron (KA3J)
Bethesda, MD

Date: Fri, 3 Jul 1998 00:54:40 -0400
From: N4JS <n4js@pobox.com>
To: qrp-l@Lehigh.EDU
Subject: [14260] QRP Logs....gone
Message-ID: <v03130301b1c213eab636@[208.211.74.11]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oh well, I had 102 nice contacts, wouldn't have won any prizes, so no big deal. Next time...I think I'll back up FIRST!

	/	/	/	/	/	/	/	/	John L. Sielke
n4js@pobox.com									
	/	/	/	/	/	/	/	/	n4js@qsl.net NJ
Grid:FM29LN									
	/	/	/	/	/	/	/	/	http://www.qsl.net/n4js
NJ-QRP #57									
	/	/	/	/	/	/	/	/	QRP-L #884 QRP-ARCI
ICQ# 3789653									
	/	/	/	/	/	/	/	/	QCWA CQrp CQC ARS
#243 FISTS #2781									
G-QRP #9544 Norcal #1989 ARQrp, AKQrp Formerly: K3HLU, W7JEF, W4MPC,									
TF2WKT									

Date: Fri, 03 Jul 1998 01:05:56 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [14261] Elmer101: part 7 answers
Message-ID: <359C66B4.1BC9@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Within two hours of posting my list of questions on the Elmer101 part 7 circuit, Glen Leinweber responded in detail to my questions.

I'd like to give a public thank you to Glen for all his technical help!
I can honestly say that without his help the Elmer project would be very
"thin".

Anyway, here are the answers:

>1) C40 and RFC3 form a series resonant circuit at the input of the
>receiver. My calculations show that it is resonant at 7.34 Mhz. This is
>outside the 40 meter cw band. How does this effect receiver performance?
>

But did you calculate the Q? Very low. There's about 50 ohms
at the antenna-side. And on the receiver side, at LEAST 50 ohms more.
So Q is MAXIMUM 5. That covers the whole band.

And if there IS any left-over reactance, T1 can tune some of it
out.

>2) The diodes D7-D10 are meant to limit input signal. Why are they in
>the middle of the series resonant circuit made up of C40 and RFC3?
>

If the diodes weren't there, the voltage at this point would be
Q6's collector voltage (25v p-p) MULTIPLIED by the Q calculated above
(5).

And U1 (or the RFgain pot) would certainly get fried by all that QRP
power.

Not only do the diodes clip it down to about 2.6vp-p, but they destroy
the Q of the series-resonant circuit of C40-RFC3, since while

conducting,

they're very low-Z devices. So while transmitting, RFC3 is acting as a proper choke, with 440 ohms inductive reactance in series with the receiver.

But while receiving, this reactance is tuned out by C40, because the diodes are NOT conducting.

>3) Explain what is happening impedance-wise with the RF gain pot, T1 and >U1. Why is C1 150 pf instead of 47 pf like in the transmit mixer?

>

C1 is a goof. It IS 47pf.

T1 is tuned to 7Mhz. Don't know what the turns-ratio is, but i'll bet it steps up the 50 ohm antenna Z to something higher for U1's input of 1500 ohms.

>4) Why is the signal for U1 taken from the center tap of T1, not across >the whole thing? I thought we would need as much signal as possible from >the antenna to make it to the receive mixer.

>

I intend to find the turns ratio of T1 (don't know it yet). The tap could be anywhere, not necessarily at center. Using the tap instead of the top means the loaded Q of T1 is high. These canned tuned transformers

usually have unloaded Q's approaching 100. With only ONE tuned circuit

at

the front end, we need a high Q to reject spurs, and images. Tapping U1 down maintains the Q reasonably high.

Its also a good idea to tap-down too low rather than too high. This'll improve U1's large-signal handling.

Mike,

you had some good questions about T1.

Just measured its turns ratio (roughly):

If you take the full tuned winding length as 100%:

the link is about 13%

the tap-point is at about 68%

so if U1's input Z is 1500 ohms, then the turns ratio of $(.68/.13)^2$ transforms down to about 54 ohms. Not a bad match to the antenna.

Loaded Q isn't very high. Something like 10

Will be looking into this part of the circuit in more depth, I hope.

I'd like to add some more selectivity to make the rig more immune to those nasty European

Broadcasters.

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Fri, 03 Jul 1998 01:07:37 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [14262] Elmer101: Part 8, Cohn crystal filter
Message-ID: <359C6719.68C7@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good evening students and Elmers. I wanted to get part 8 posted on the list so those of us in the USA can work on it during the long holiday weekend. Please remember the founding fathers and their actions this Saturday.

Ok, gather the following components:

C11 47pf

C12 150pf

C13 150pf

C14 150pf

C15 150pf

C104 .01 microfarad

R1 470 ohm

RFC1 22 microhenry

Y1 4 Mhz crystal

Y2 4 Mhz crystal

Y3 4 Mhz crystal

Install the above components into the board. Use caution while installing the crystals Y1-Y3. If they are mounted flush to the board the cases could short out the solder pads underneath. I mounted mine about 1mm above the board surface using a temporary spacer while soldering. I know that you can get insulators that fit over the bottom of the crystals but I had none. Use whatever method you would like to prevent the crystal cases from touching the solder pads on the top of the board.

You can ground the cases of the crystals now by soldering a solid wire across the top of the 3 crystals. DON'T OVERHEAT THE CRYSTAL CASES AS DAMAGE CAN RESULT! Now attach the wire to the solder pad on the left side of the crystals. It should be the only open solder hole on the left side of the 3 crystals. When you are done you should see a single wire going from the right most crystal, soldered across the top of all 3 crystals, then down to the solder pad on the left side. This grounds the cases of the crystals preventing interference from strong stations from getting past the filter.

Ok, check your soldering, parts placement and parts value.

Got it all right? Good. Now apply power and check for smoke.

Place your scope probe or RF probe on the solder pad for U3 (not installed yet). Key up the rig with your temporary jumper. You should see a nice pretty 4Mhz sine wave. On my scope it was about 0.5 volts peak to peak. That should be enough of a voltage to tickle those RF probes. What happened to all those nasty mixer components that we had at the output of U1? Well, thanks to the crystal filter they are all gone!

So now you have to ask the simple question "how does it work?"

For me, this part of the circuit is shrouded in mystery. Please try to stay with me and lets see if we can get some discussion going on the subject of crystal filters.

Remember, the basis of a superhet receiver is that it converts the desired incoming signal to some "standard" frequency. In our radio that frequency happens to be 4Mhz. This is done because it is easier to design a filter that operates on one specific frequency than one that operates over a range of frequencies. It also allows you to reject the other sideband, unlike Direct conversion receivers. So the purpose of the receive mixer is to convert the desired receive signal to the IF frequency (4Mhz). The crystal filters job is to make sure that only the IF frequency makes it from the receive mixer to the product detector.

In the last section we completed the receive mixer that was centered

around U1. This mixed our incoming signal from the antenna with the VFO and presented the mixed signals at it's output. Let's pick some round numbers.... Receive signal=7Mhz VFO=3Mhz

The output of the mixer will contain many mixer products, the major ones being 4Mhz and 10Mhz. This circuit will filter out all but the 4Mhz signal.

I did a bunch of reading on crystal filters and came away even more confused then when I started. Most of the descriptions that I read either were emperical designs, or the design was referenced as being covered by one of the books in the bibliography. "Just build it this way and it should work" was a common phrase in these writings.

Here is what I do know. The crystals must be closely matched, within 10 to 20 Hz of each other. Dave at Small Wonder Labs was kind enough to do this for us. If the crystals are not matched the performance will be poor. All of the capacitors are the same, 150pf. The value of the capacitors has an effect on the bandwidth of the filter. It is important to match the input and output impedance of the filter to minimize the loss. I have no earthly idea on how to calculate this, but I do know what parts in the circuit are performing the impedance matching. C11 and RFC1 form an "L" filter to match the output impedance of U1 with the input impedance of the filter. The filter is terminated into R1 (470 ohms) before reaching U3.

The crystal filter is the core of nearly every QRP rig out there. I think it is important to understand what is happening here. Lets start a discussion on the function and characteristics of this filter and see what we can learn.

--

72 de ku4qo

Mike Maiorana

Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Thu, 2 Jul 1998 19:59:59 +0000
From: kf4tbs@juno.com (Matthew G Robertson)
To: qrp-l@Lehigh.EDU
Subject: [14263] RE: CBer's on and around 10 meters
Message-ID: <19980703.014253.3310.0.KF4TBS@juno.com>

If you listen around 28.000 to about 28.455 or shortly beyond on USB, you will most likely find some illegal station. I have heard one in particular for quite a while now and can't seem to get a chance to record him. I know the fellow and he is nothing but trouble. If anyone has any suggestions or comments let's hear them.

73's,

KF4TBS

Matt QRP-L # 1626

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 3 Jul 1998 01:59:12 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14264] Re: IC706/II QRP/CW performance
Message-ID: <Pine.3.89.9807030139.A11318-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 2 Jul 1998, Allan G. Taylor wrote:

>
> Does anyone out there have some specific experience operating the new Icom
> IC706/MkII at QRP or near-QRP power levels. Also the rig's cw QSK performance.
> I don't do 60 wpm, so performance up to a measly 40 will suffice for me. Signal
> stability. Sometimes Icom rigs have a slight chirp. Any comments? Has anyone
> experience in listening to its sig vs an Elecraft K2?

>
I've used my MKII in a few QRP contests since I got it. Not very practical to run from battery since it draws about 2A on receive. Power is adjustable down to about 4W, but by injecting a negative voltage into the ALC line, it can be adjusted down to 0W. I never use QSK with it - too annoying. After having just built a SST-20 and using it a while, I realize why I didn't like it on the MKII. The difference between QSK on the two rigs is like night and day. I guess it was mainly the constant relay noise on the MKII that drove me nuts.

I've had no reports of chirp, and it sounds clean on a second rx in the shack. On the other hand, the first character does get shortened considerably while the transmit relay pulls in. I bought mine mainly for a mobile and DXpedition rig. For these uses, it is ideal. Hope this helps.

73,

Bob Patten, N4BP (0 0) Plantation, FL

o00o-()-o00

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Thu, 02 Jul 1998 23:27:41 -0700
From: W7LS <w7ls@blarg.net>
To: bcotter@pop.uky.edu
Cc: qrp-1@Lehigh.EDU

Subject: [14265] Re: Need source for ferrites: Amidon, etc.
Message-ID: <359C79DD.66FF@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Tech America has them. So does Supertronix in Kent, WA at
425-251-8484

Jim W7LS

Bill Cotter wrote:

>
> Hi Gang,
>
> I would like to purchase a FT-43 ferrite core suitable for a 40-10m
> vacation-dipole balun, something good for up to 100W. Perhaps a
> 1.375-1.625" diameter. Who/where are these available in small
> quantities? Is there a miniture balun kit available anywhere?
>
> Thanks,
>
> 73 Bill N4ALG
>
>
> -----
> | Bill Cotter, N4ALG E-mail: bcotter@pop.uky.edu |
> | 173 Carolyn Lane Home: (606) 887-5563,2402 |
Nicholasville, KY 40356-9340 Work: (606) 323-6474
>

Date: Fri, 03 Jul 1998 06:45:16 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [14266] Found Logs!
Message-ID: <359d7dab.1062776@mail.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

As usual, the computer (even a small one) was smarter than I am. It
cleverly made a backup, and hid it where I couldn't mess it up!

Good idea, could be lots of fun. At the moment, (and almost every night) It is 12am and I have the NW40 tuned to 7153.9. There is a group, don't know who or what, but they are mostly stateside until later, than a bunch of ZL's and VK's come on seems like it is an on-going thing every night. So maybe would work ! Some time spent in research for frequencys etc just might turn up a new fun thingy !

72's
Roy

Date: Fri, 03 Jul 1998 05:24:22 -0500
From: Roy Jackson <rjackson@iname.com>
To: qrp-l@Lehigh.EDU
Subject: [14269] For sale items
Message-ID: <3.0.5.32.19980703052422.007a9140@mail.netnitco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 20 Meter Explorer II has now been spoken for.

Still have the 30 Meter Explorer II.

73, Roy N9RG

Roy Jackson, N9RG Michigan City, Indiana
QRP-L #447

Date: Fri, 3 Jul 1998 06:21:09 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: <kf4tbs@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14270] Re: CBer's on and around 10 meters
Message-ID: <000901bda674\$af269380\$8d538bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Doing something is going to be hard. I went out to the local Truck Stop lately and they are selling 10 meter radio's. The NorthStar radio made in China are set up as AM and FM channelized for 40 channels just like a CB. The Truck stop sells them for \$200.00 or so. I didn't get to open one to see if it's FCC type accepted or not, but just running AM or FM it is going to represent interference for us.

73,

Terry KA9TXE

Date: Fri, 3 Jul 1998 06:32:18 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14271] Re: Gel-Cell Charge Contoller Kits ? & new question
Message-ID: <002501bda676\$3e32a4a0\$8d538bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All;

Please respond to the group on this one as I am about to go the Gell Cell route and will need to come up with a charger.

Question: When prior discussions took place on charging batteries the phrase C/10 was used; is that the batteries total or original capacity in amp/hours divided by 10 or is it something else?

73,

Terry KA9TXE

Date: Fri, 3 Jul 1998 08:53:30 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14272] WTB: MSC "Smart Filter"
Message-ID: <02ab01bda681\$a5acd000\$10755acf@timcook.erinet.com>

the humiliating question arises, 'Why then are you not taking part in them?'"
--H. G. Wells

Date: Fri, 03 Jul 1998 08:17:52 -0700
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@Lehigh.EDU
Subject: [14274] 17 meters (CW)
Message-ID: <359CF620.1028@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The band was really excellent last night. In four hours, logged the following:
ZL, 7X2, A45, RA6, RK4, RV6, RZ, UN, LZ, UA0 (zone 18), F, SM, OH, HC8, 4L4, UR4, FR5. Also heard F04 and numerous JA and South American stations. I couldn't turn the rig off. Finally got too tired and had to QRT but the band was still open at 0430 UTC. Signals were loud on a simple Zepp antenna. I haven't heard it this good in years. Things are looking up.
-72 de Chas W3KC-

Date: Fri, 03 Jul 1998 09:50:56 +0000
From: jim <kw3u@warwick.net>
To: qrp-l@Lehigh.EDU
Subject: [14275] Icom 725 FS
Message-ID: <359CA980.531B@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sale:

Icom 725 hf 160-10m with mars mod.
pwr adjustable 4w- 100w. gen cov rcv.
works great and comes with pwr cord/hand
mic(very little use) and manual, shipped
for \$500.

Finally got my new FT-920 so need to accumulate \$
for the K-2 and nc-20.

Date: Fri, 3 Jul 1998 07:52:17 -0600 (MDT)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [14276] Re: IC706/II QRP/CW performance
Message-ID: <199807031352.HAA05149@rgfn.epcc.edu>

While I don't have an IC706 I have worked several in recent months and I would suggest that those who do check the output signal on a separate receiver if they haven't done so previously. Spomxxxxx some of those I worked had a signal that sounded A2, or more like a mix of several audio tones mixed together and fed into the keying circuit for the carrier. When it is like that, the sub-harmonic audio content is spread over several Khz. I don't know if this is a common problem with the 702xxxxxxx oops IC706, but thought it worth mentioning.

\$

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Fri, 03 Jul 1998 09:52:19 EDT
From: jalbertin@juno.com (Jerry Albertin)
To: qrp-1@Lehigh.EDU
Cc: jalbertin@juno.com
Subject: [14277] FS/Swap TenTec Century 21
Message-ID: <19980703.094056.5495.0.JAlbertin@juno.com>

My need for a portable 40 meter qrp rig has forced me to offer my pristine tentec century 21 for sale or swap. This rig works fb with abt 30 watts full power. Works great as a qrp rig and covers 80, 40, 20, 15 and 10 meters cw only. Comes with matching calibrator and all documentation.

Looking for a portable qrp rig (in good to excellent condition) for 40

metes, the mfj 9040 would fill the bill nicely. If you have something like this let me know we can work out the details....Or will sell for \$200 shipped con us.

Thanks....Jerry kg2jff

Date: Fri, 03 Jul 1998 06:53:53 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [14278] books for sale
Message-ID: <3.0.1.32.19980703065353.0068bc14@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have the following for sale:

- 1) Novell's CNE Study Guide w/CDROM, Novell Press, \$40
- 2) ActiveX Controls Inside Out w/CDROM, Denning, Microsoft Press, \$20
- 3) Advanced Windows, 3rd Eidtion, w/CDROM, Richter, Microsoft Press, \$20
- 4) Inside Visual C++, Ver. 5.0, w/CDROM, Kruglinski. Microsoft Press, \$20
- 5) Computer Technician's Handbook, 3rd Ed., Margolis, McGraw-Hill, \$15
- 6) Troubleshooting & Repairing PC's, 2nd Ed., Margolis, McGraw-Hill, \$12
- 7) Troubleshooting & Repairing Printers, Bigelow, McGraw-Hill, \$12
- 8) Mastering Spanish, Book and 11 CD's, Barron's, \$35

Add \$3 shipping via book rate CONUS for all items except #1 which will be \$4.

I'm selling so that I may make some major parts purchases to complete 6-meter, 2-meter and 222 receive/QRP-transmit converters in time for the September VHF Contest.

Thanks,

Jack, W7PW

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Fri, 3 Jul 1998 07:37:43 -0500
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-1@Lehigh.EDU
Subject: [14279] Mi Sprint
Message-ID: <19980703.073745.6734.2.ab5uacw@juno.com>

What time does the 4th of July Sprint start? I couldn't decipher Buck's message yesterday.

Thanks,

Clif

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 3 Jul 1998 10:29:42 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [14280] NF3I/m field day log
Message-ID: <Pine.LNX.3.95.980703102514.8271C-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I finally transcribed it from tape to paper.

NF3I - class 1C, Sunday morning, 1209z - 1420z, all from Maryland @ 2.5w except for the 5w 2m contact.

Exactly one QSO was west of the Mississippi.

40/20/15/2 meters:

40 CW - 27 Qs
20 CW - 14 Qs
15 CW - 18 Qs
2 FM - 1 lonely QSO

59 CW QRP = $59 \times 2 \times 5 = 590$
1 fone QRP = 5

Score - 595 points in 2 hours and 10 minutes on-air. FUN! CHAOS!

** Scott Rosenfeld NF3I & AAR3IB/T ** <http://w3eax.umd.edu/~ham> **
** Burtonsville, MD FM19mc * DXCC WAC WAS * QRP-L #147 * AK-QRP **
* Waiting for 6m to open... ** ARRL Life Member/Laurel ARC/UMARA *
** 301-549-1022(h) 301-982-1015(w) *** 35 wpm HF mobile CW Neon **

Date: Fri, 03 Jul 1998 10:28:15 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [14281] Re: Dipole as a reference antenna
Message-ID: <359CEA7F.4146@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Low gain antennas make lousy reference antennas--reflections from nearby objects have a huge effect on the gain. I'd rather have a high gain directional antenna. 20 dBi seems to be a good compromise between gain and pointing problems. :-)

Zack W1VT

Date: Fri, 3 Jul 1998 10:22:42 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-l@Lehigh.EDU>
Cc: <fmhuguet@wi.net>
Subject: [14282] Re: Tixie 2B
Message-ID: <199807031422.JAA29666@dfw-ix2.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Fran -- KB9QQF:

You wrote:

"The supplied parts list is for 80m, but i would like to go directly to 40m. I was wondering what mods are required. i was also hoping to preempt some problems and order extra parts that i will probably need anyway. So, if anyone out there has some recommendations for extra parts, or swaps i would like to hear about them. pretty sure pixie insights would be equivalent."

Changing the Tixie to 40m is pretty easy -- change the value of C7 to 560 pF, L3 to 1.5 uH, and C6 to 390 pF (these values are from Doug DeMaw's version of the Pixie -- Sprat #89, Winter 1996/97). For back issues of Sprat see the Kanga US site (<http://www.bright.net/~kanga/kanga/>).

There is a lot of good info on the Pixie/Tixie in the latest issue of QRPp -- the Nor Cal QRP Club publication -- back issues of this pub are available -- check out the web site (<http://www.fix.net/norcal.html>). WE6W's contest winning Pixie and KX7L's Pixie are featured in the latest QRPp. You can get the schematic for Doug DeMaw's version of the Pixie from WE6W's web site (<http://www.qsl.net/we6w/pixie.html>). K5FO's web site also has some good Pixie info (http://reality.sgi.employees/adams_dallas/). If you need more info on the Pixie/Tixie let me know -- I'm in the process of building a 40m Tixie that incorporates some the the features of DeMaw, WE6W and KX7L.

One last note. Your message said you are new to HF and to QRP. Doing HF with a 300 milliwatt Tixie is hard -- not so much because of the 300 mw but because the rig is fixed on one crystal-controlled frequency and the receiver will hear everything within about 10 KHz -- and will pick up some very strong SW broadcast stations. I've got 17 states confirmed with my Pixie/MRX-40 combo -- after about 80 QSOs -- its fun, but its not easy (maybe that's what makes it so rewarding).

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 50/49 (no HI card yet)

WAC QRP W/C 6/4

WAS QRPp W/C 17/17 (250 milliwatts on a Pixie II / MRX-40 / Tick Keyer /40m dipole combo)

DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: Fri, 03 Jul 1998 08:17:46 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU, azqrp@dancris.com
Subject: [14283] Re: Gear for Sale
Message-ID: <199807031512.IAA29918@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Super CMOS II Keyer, the OHR 400 and the Bencher paddles have been sold. Still have another OHR 400 with DD-1, the OHR CL2040 dual bander with DD-1, the Norcal 40A (Rev A), and the LDG Autotuner (QRP Model).
Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Fri, 03 Jul 1998 08:20:00 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU, azqrp@dancris.com
Subject: [14284] Re: Gear For Sale
Message-ID: <199807031514.IAA00049@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The LDG Autotuner has been sold.
Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Fri, 03 Jul 1998 08:21:49 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [14285] Re: books for sale
Message-ID: <3.0.1.32.19980703082149.00688640@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Novell CNE Guide is sold.

Jack, W7PW

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Fri, 3 Jul 1998 08:32:42 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14286] Re: Dipole as a reference antenna
Message-ID: <Pine.SOL.3.96.980703083139.7706A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 3 Jul 1998, Zack Lau wrote:

> have a high gain directional antenna. 20 dBi seems to be a good
> compromise between gain and pointing problems. :-)

I'd like that on 40m!

:-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: 03 Jul 1998 11:51:19 -0400
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: mikemo@ibm.net
Cc: qrp-l;;
Subject: [14287] Re: Elmer101: Part 8, Cohn crystal filter
Message-ID: <1998Jul03.115119-0400@[130.113.234.7]>

In <359C6719.68C7@ibm.net>, mikemo@ibm.net wrote:

>I did a bunch of reading on crystal filters and came away even more
>confused then when I started. Most of the descriptions that I read
>either were emperical designs, or the design was referenced as being

>covered by one of the books in the bibliography. "Just build it this way
>and it should work" was a common phrase in these writings.

Mike,

I can sympathize. But handwaving explanations don't hack it when describing these multi-coupled circuits. So where does that leave us? It leaves us with the "black-box" situation that you describe. Don't knock black-boxes too much - it's a very powerful analytical tool in breaking down circuits.

Xtal-filter is just one of those black-boxes where peeking inside reveals a lotta nasty math. Do you really wanna know where all those coupling coefficients come from?

Me - I'm math-adverse. After peeking inside, I'm content to use the design-tables =:-0

But it IS useful to play about:

What happens if you design for a wider bandwidth?

Coupling caps go down. Terminations go up.

What happens if you use low-Q crystals? In-band attenuation goes up.

Passband edges become rounded.

What happens if your terminations are too low-Z? Passband ripple looks like a rollercoaster.

What happens when your terminations are reactive? Passband gets skewed.

SPICE simulations can help a lot to show this kinda stuff: use the book designs as a starting point, then play-about with SPICE.

-Glen VE3DNL

Date: Fri, 03 Jul 1998 09:07:34 -0700

From: Andy Fox <foxes@theriver.com>

To: mutabut@net66.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [14288] Re: Gel-Cell Charge Controller Kits ? & new question

Message-ID: <359D01C6.364@theriver.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Terry,

Yes, "C/10" is the total capacity of the battery in Ampere Hours divided by 10.

"C" is the rated capacity of a battery. It is measured in Ampere Hours (AH). It is typically over a 20 hour period, at constant discharge. This is "C/20."

A typical 12V sealed lead acid battery might be rated at 10AH capacity. The C/20 rate is 10AH/20H = 0.5A. If you put a constant load of 0.5A on this battery, it will be discharged to its cutoff voltage (1.75V/cell * 6 cells = 10.5V) 20 hours later.

"C/10" would be a higher current for a shorter time. For the same battery, 10AH/10H = 1A. You will not get half as many hours as the earlier example; you will get less. Power Sonic calls the C/10 rate the "9 Hr Rate."

Hope this helps.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Fri, 3 Jul 1998 12:18:46 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: leinwebe@mcmail.CIS.McMaster.CA
Cc: QRP-L@Lehigh.EDU
Subject: [14289] Re: Elmer101: Part 8, Cohn crystal filter
Message-ID: <2.2.16.19980703121012.302f3c6a@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>

>when describing these multi-coupled circuits. So where does that leave us?
>It leaves us with the "black-box" situation that you describe. Don't
>knock black-boxes too much - it's a very powerful analytical tool
>in breaking down circuits.

>

Actually there are some pretty good references for the design of ladder filters out there. Wes Hayward wrote an article for QST about building Ladder type filters and it is reprinted in QRP Classics. Doug DeMaw wrote an article on a crystal tester that can be used to measure some of the basic parameters of the crystals; it was in QST, of course. And let's not forget our own Bill Carver who has written somewhat extensively on ladder type crystal filters in Communications Quarterly and gave an excellent tutorial paper on the topic at the 1997 Four Days in May Technical Conference held at Dayton. The proceedings for that conference are out of print now, but if I got 10 or so orders I might do a limited reprint.

Date: Fri, 03 Jul 1998 11:56:22 -0400
From: Richard Sherman <srichard@aldus.northnet.org>
To: radman@best.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [14290] Re: Gel-Cell Charge Controller Kits ?
Message-ID: <3.0.1.32.19980703115622.00806aa0@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I built the Jade Products charger about a month ago. It was an easy kit to build, all the parts are separated by section in little zip lock bags. So you end up with maybe 10 parts per section at most. I considered the A&A charger and the Jade charger, but settled on the Jade because it had a meter. I like meters ;-> This meter indicates the percentage of charge current and 4 leds indicate charging and power status. I also was able to use it to charge a battery with a solar panel for FD. I built it with the low voltage option, which allows one to leave the battery connected to the charger and the load. When the battery gets low the charger disconnects it from the load and won't reconnect to the load until its charged.

I am happy with the charger and Jade's service. I recommend it highly.

Usual disclaimers.

72 de Rick WZ2T NNY

srichard@northnet.org

---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

Date: Fri, 3 Jul 1998 12:23:00 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Clifton W Sikes <ab5uacw@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14291] Re: Mi Sprint
Message-ID: <Pine.3.89.9807031206.B1966-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 3 Jul 1998, Clifton W Sikes wrote:

>

> What time does the 4th of July Sprint start? I couldn't decipher Buck's
> message yesterday.

>

I also wasn't equipped to decode a "binhex" file and could use a brief

summary of the rules... Probably won't get to participate due to babysitting, but XYL might give me a couple of hours off for good behaviour.

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Fri, 3 Jul 1998 12:25:49 EDT
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14292] Paddlet
Message-ID: <5c0cefba.359d060e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang -

I am looking of a small set of paddles for my Sierra. I've seen references to a small set of paddles called Paddlet(sp?). Can someone tell me on what website I can take a look at these guys..

Thanks

72's de Denny AD6EZ <><
PROMISE KEEPER

FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club #242
HAMing It Up Everyday In Goleta, CA
Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Fri, 03 Jul 1998 11:59:09 -0500
From: Wayne Alexander <walexander@wwn.net>
To: qrp-l@Lehigh.EDU, heath@listserv.tempe.gov, hallicrafters@qth.net, forsale-

swap@qth.net
Subject: [14293] RE: Items for sale
Message-ID: <3.0.3.32.19980703115909.0069feac@pop.wwn.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

All the items have been spoken for. Thanks

<paraindent><param>out</param>73

</paraindent>KB0PTE

Wayne

QRP-L #1058

FISTS # 4907

Date: Fri, 3 Jul 1998 12:35:28 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14294] Re: IC706/II QRP/CW performance
Message-ID: <aade0b1e.359d0851@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I also have noticed a tad bit of a slight chirp,if you want to call it that.
However,so slight,I didn't think it would be noticed by so many.
Also,I did pick it up on the MFJ rig and you really have to listen for
it,REALLY!!,listen.

How strict is the FCC??

BTW, can any of you guys out there explain to me what is meant by hard keying
and soft keying??

How can I tell on the air if another op has hard or soft keying.

I'm a dummy when it comes to tech stuff like this and I always thought A clean
CW tone was all you needed.

Can the op on the other end really hear the difference??

Bob

WA2HOQ

Date: Fri, 3 Jul 1998 12:47:26 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14295] QRP and DX
Message-ID: <a3d24c22.359d0b1f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang
Just want to say that if you haven't worked 17 in the last few nights, your
missing some hot DX
I was loading into an experimental shortened dipole (coil loaded)
appx 6 feet above the ground with the center about 3 feet below the ends.
I bagged France, Italy, Germany and Poland, 2 watts
Boy, and they say CW is going out??
It's here to stay and from what I heard on the bands, QRP is growing word wide.
Now if I can only stay away from the soldering iron.....
Bob
WA2HOQ

Date: Fri, 3 Jul 1998 18:20:32 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, kelman@ dialnet.net
Subject: [14296] Re: How low can we go? Less than a watt?
Message-ID: <E0ys9WD-0001JG-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Interested in your findings! A few years ago, I had a TT Argonaut 515
and modded it so I could monitor and vary the 'PA'. I could lower the
voltage and read both that and the current drawn. The lowest I could
get was 1.1 volts and 90 milliamps (as I recall, a little over the
standing current), so as near as makes no odds 100 milliwatts INPUT.
Considering the inefficiency of the devices at this reduced state, I
would think it would be about 40 mw out, but had nothing to measure
that with at that time and my SWR bridge stayed on zero! I managed to
work VE and W's on 15m, using a two ele monoband yagi (home made), so
yes it is great fun and I can recall the astonishment of the op at

the other end!
Good fun QRPp eh?

--73--

Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Fri, 3 Jul 1998 13:38:48 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [14297] QRP DX
Message-ID: <002001bda6a9\$82a558c0\$175445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Well if you have seen my previous post here about the
DX that I have been working on 15 with 1 watt out I have
even better news. I figured I try something different today
so I check everything to crank the power out to 500 mW.
Just worked a 9A3UF in Croatia around 17:30 UTC. He
gave me a 559. Oh what fun!!!!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Fri, 03 Jul 1998 14:06:48 -0400
From: Michael Maiorana <mikemo@ibm.net>

To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [14298] Elmer101: oops
Message-ID: <359D1DB8.59DA6CFB@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry about the double spaced postings.
The anti-christ (my computer) decided that it didn't want to send email any more. This after two hours of writing!!! I had to save the messages as text and send them from another computer.

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Fri, 3 Jul 1998 12:16:21 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU, cqclist@mtechnologies.com
Subject: [14299] July 19th is Approaching
Message-ID: <199807031814.MAA00861@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Time for a reminder about The Great Colorado Gold Rush, a "CQC Sprint" which will take place on Sunday July 19th. Yes, the last line is accurate-- there will be a certificate for the top score in each STATE or Province. And CQC member numbers are *multipliers* so if you don't have one you better get on your horse. You can join CQC via the web site at <http://www.mtechnologies.com/cqc> (there's still time to mail your check to the club's PO box) or you can call me with a credit card number on (303)752-3382. Dues are \$12 per year (\$15 DX) and include subscription to The Low Down.

The Great Colorado Gold Rush

The Snowshoe Run was so much fun we're going to do a summer verison. The Great Colorado Gold Rush will take place on Sunday, July 19th, 1998 (the day after our picnic meeting).

The Great Colorado Gold Rush
(a.k.a. Fire In The Hole)

Sponsored by the Colorado QRP Club

It was Colorado, 1859. A land swindler had just published the first issue of the Rocky Mountain News in the settlement that would become Denver. A year earlier, small placer gold deposits were found in that old settlement, near the confluence of the South Platte River and Cherry Creek. And then came the big gold strikes! George Jackson discovered gold in Chicago Creek near Idaho Springs. John Gregory made his famous gold strike not far away, in Clear Creek Canyon. Prospectors dreaming of riches poured into the new gold camps of Central City, Black Hawk, Boulder, Colorado City, Gold Hill, Hamilton, Tarryall, and Pueblo. The fever ran high. The Great Colorado Gold Rush had begun!

Not even a century and a half later, the rush is on again. This time it's the rush to work all states, to join the ranks of DXCC, the desire to sound like a kilowatt but driven only by milliwatts - truly to rush to achieve the impossible.

In honor of our state's colorful history and exciting future, the Colorado QRP Club proudly announces The Great Colorado Gold Rush. This will be a QRP amateur radio contest of unparalleled magnitude, of incredible dimensions, of such unbelievable proportions that---well, it's really just a summer sprint. Two fast hours of heavy hitting. Do your best. Have fun, and good luck in the contest.

When: Sunday, July 19, 1998

Time: 2000-2200 UTC

Band: 20 meters only

Mode: CW only

Power: 5W maximum

Classes: W -- WIRE: single element wire; including dipoles, random wires, Zepp, doublets, inverted V, slopers, single element loops, inverted L, etc.

V -- VERTICAL: verticals; including single element, ground plane, trapped vertical, or anything with vertical polarization and more or less omnidirectional pattern.

B -- BEAM: multi-element arrays/beams; including beams, multi-element loops, phased verticals, V-beam, rhombic, etc.

P -- PORTABLE: non-mobile temporary field station; may use any type of antenna.

If you are not sure about your antenna class, send us a description ASAP (via E-mail to n1fn@mtechnologies.com or jmedley@ix.netcom.com).

Operations may be conducted with different antennas provided all antennas are in the same class.

Exchange: RST + SPC + Class + CQC Member # or Pwr Out

Example: 559 C0 V 345 -or- 559 CT P 5W

Multiple contacts: the same station may be worked up to three times during the contest, provided a minimum of 30 minutes has elapsed since the last QSO with the same station.

Scoring: 3 points for first contact with a station.
2 points for second contact with the same station.
1 point for third contact with the same station.

Multipliers: all multipliers count once over all. Multipliers are SPC's and CQC members worked.

Final Score: QSO Points x SPC x CQC Members = Total Score

Logs: Submit logs showing time, callsign, exchange and QSO points for each station worked, show totals of multiplier points. Example:

		Time	Call	SPC	Ant	Mem#/Pwr	
		Pts					
2005	W0CQC	C0	V	132		3	
2012	N1FN	CT	W	151		3	
2036	W0CQC	C0	V	132		2	
2037	KA8OM	MI	P	5W		3	
2115	W0CQC	C0	V	132		1	
			Etc.				
Totals		3		2		12	etc.
Dupes:	W0CQC	-	2005 2036 2115				
SPC:	C0	CT	MI				
CQC#:	132	151					

Please include an alphabetical dupe sheet showing times and calls of multiple contact stations, SPC's and CQC Member numbers. Also include a description of your equipment, antenna(s) used, and power output. All submissions must indicate entry class and your mailing address including e-mail address if available.

Deadline: Logs must be postmarked or emailed no later than 30 days post contest. Logs received after this deadline will be used as check logs only.

Mail: CQC Gold Rush
c/o Jan Medley, N0QT
5770 Niagara St.
Commerce City CO 80022-4030

E-mail: jmedley@ix.netcom.com
(all E-mail submissions in ASCII format only)

CQC will post a list of received logs on its web site at:
<http://www.mtechnologies.com/cqc>

Awards: Awards will be given for the highest score in each class and the highest score in each state.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Fri, 03 Jul 1998 14:15:17 -0400
From: Bill Wetherill <n2wg@wilmington.net>
To: qrp-l@Lehigh.EDU
Subject: [14300] FOR SALE - MFJ-9406X 6-METER SSB ADVENTURE RADIO
Message-ID: <1.5.4.32.19980703181517.0068b130@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FOR SALE!!!
I have an MFJ-9406X 6-METER SSB ADVENTURE RADIO for sale. It is in excellent

condition; original box and manual; includes mic and CW module. \$ 210
includes shipping in CONUS. (SRI the MFJ-204-B, MFJ-949-E, and MFJ-9440
have been sold.)

72 Bill-N2WG

"PURITY OF ESSENCE" --- QRP

Date: Fri, 3 Jul 1998 11:19:46 -0700
From: Conrad <radman@best.com>
To: "'DENNISMO@aol.com'" <DENNISMO@aol.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Cc: "'Marshall Emm'" <mgemm@mtechnologies.com>
Subject: [14301] RE: Paddlet (re: "Paddlette")
Message-ID: <01BDA674.7C950500.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Dennis,

I recently searched for "Paddlette" (corrected spelling)
paddles and was unable to find a webpage or dealer. My
understanding - via surface mail correspondence - with
company owner, Bob Hammond is that he deals mail-order
direct.

You can request product literature and pricing by writing
to him at:

Attn: Bob Hammond
Paddlette Company
P O Box 6036,
Edmonds, WA 98026

Oh, nice picture of a knee mounted version -- linked to
Marshall Emm's site: URL:

[http://www.mtechnologies.com/cqc/gallery/qttf98/mvc-006f
.jpg](http://www.mtechnologies.com/cqc/gallery/qttf98/mvc-006f.jpg)

GL - 72 - Conrad Weiss - NN6CW

Hi Gang -

I am looking of a small set of paddles for my Sierra. I've seen references to a small set of paddles called Paddlet(sp?). Can someone tell me on what website I can take a look at these guys..

Thanks

72's de Denny AD6EZ <><

Date: Fri, 03 Jul 1998 13:20:59 -0500
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-l@Lehigh.EDU
Subject: [14302] QRP DX:
Message-ID: <359D210B.6C25@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

15 meter band ope lat last night. Worked JY9QJ in Jordan at 0419Z July 3rd, 1998. He was 589 here in Theodore, Alabama. He gave me 599 as he was giving everybody that report. He must have had it stored in his keyer memory. Was using my OHR100 for 15 meters. Must say the receiver in this little rig is as good as the one in my ICOM 735. Don't have the pre-amp though. That lil OHR 100 is sure a pleasure to use. BTW, in all the years that I have been operating that was the first time I have ever heard Jordan.

72 Larry (W4DEC) ARCI 8835 QRP-L 1045

Date: Fri, 3 Jul 1998 11:36:29 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Conrad <radman@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14303] RE: Paddlet (re: "Paddlette")
Message-ID: <Pine.SOL.3.96.980703112500.8007A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I have one of the small Paddlette Company paddles sitting right here as we "speak"!

It comes in a sturdy plastic case much like the ole BandAid box's. Foam padded on the ends.

Inside is the leg strap and the paddles.

The spacing of the contacts is about .003" as it comes from the factory and can be adjusted even closer. Only weighs 8/10th of one ounce! That's 0.8 oz. I think the leg strap weighs more!

It even comes with a little allen wrench for adjusting the spacing.

Bob's phone number in Edmonds, WA is (425) 743-1429.

Hope this helps,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 3 Jul 1998 18:26:56 GMT
From: k8cv@juno.com
To: ab5uacw@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [14304] Re: Mi Sprint
Message-ID: <19980703.184131.10678.7.k8cv@juno.com>

Mi qrp club 5 watt magazine says.....

2300Z 4 july, 1998 to 0300Z 5 july, 1998

Exchange is RST, QTH (spc) and MI-QRP number. (non-members power-output)

E-mail logs to n8cqa@tir.com

Walt K8CV

On Fri, 3 Jul 1998 07:37:43 -0500 ab5uacw@juno.com (Clifton W Sikes) writes:
>What time does the 4th of July Sprint start? I couldn't decipher
>Buck's message yesterday.
>
>Thanks,
>
>Clif
>-----
>You don't need to buy Internet access to use free Internet e-mail. Get
>completely free e-mail from Juno at <http://www.juno.com> Or call Juno
>at (800) 654-JUNO [654-5866]

Date: Fri, 3 Jul 1998 19:39:27 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [14305] Ohio Scientific RM-116E Clock
Message-ID: <199807031839.TAA08595@chuck.dallas.sgi.com>

Gang,

Fry's Electronics, here in Dallas and anywhere else they have a store, has on sale "the Time Machine" from Ohio Scientific for \$29.95 plus your local and state taxes added on after that price.

MFG: Oregon Scientific
MODEL: RM-116E
Price: \$29.95 from Fry's Electronics
I went to <http://www.oregonscientific.com/timefram.html>
and clicked on Radio Controlled Clock and they show
\$99.95 MSRP (Mfgr Suggested Retail Price)!!
This sale price is a great buy compared to the \$79 for
The Zeit Clock advertised in QST and other places.

Technical Data:

- o Integrated Receiver for WWVB at 60 KHz
- o T-Bar ferrite omnidirectional antenna
- o Operating Temperature: 35-120 Degrees F
(for both FYBO and BYBO Field Contests)
- o 2-AAA batteries included (should last one year)

- o Automatic signal-reception activation: six times every 24 hrs
- o HiGlo (tm) backlighting source: Electroluminescence
- o Display shows signal strength, time zone (only 4 US zones), time with seconds, month and date.

I brought it to the office and took it out of the box, glanced at the instructions :-)) and pulled the plastic tab out of the battery compartment to activate the clock. Within two minutes it had captured WWVB and locked in!! This just after 1pm in broad daylight. Of course, I'm on the second floor of a building with the window facing north and the antenna held up with the supplied velcro in the middle of the window. That's in Dallas, so antenna almost line of sight with WWVB. ;-))

So those that have been waiting for economical reasons for a clock like this, then the next time you are near a Fry's, drop in and inquire about the clock. The Fry's that I know of are in Sunnyvale CA, Arlington TX, and Dallas TX. I think the chain is expanded weekly across the country.

Now the only thing that we need is a write in campaign for them to come out with a UTC version 24 hour format and do away with the US timezone map. I challenge anyone on the list to come up with this for under \$50 kit or assembled. :-))

Likewise for The Zeit Clock manufacturers.

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 3 Jul 1998 12:07:01 -0700
 From: "Frank A. West" <ke6vhm@earthlink.net>
 To: "Roger KD6CC Mc Carty" <rmccarty@earthlink.net>, "QRP Group" <qrp-1@Lehigh.EDU>, "Larry KR6LO" <KR6LO@aol.com>, "KQ6KE - Johnny" <radio71@juno.com>, "Dave AC6W0" <cochise@pacbell.net>
 Subject: [14306] AC6UV last minute Band change
 Message-ID: <199807031907.MAA08577@avocet.prod.itd.earthlink.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Well Gang,

Just got through talking with Gody and Sam on 40m ssb.

Here is the scoop. Gody had a problem with the 40m rig and was forced once again to change his band of choice. This problem materialized only after I sent yesterdays announcement. Sorry for any inconvenience.

New band is 20 Meters - Radio he is taking will operate between 14.000 and 14.053. Saturday sked 9 AM to 10AM will be 14.050 Plus/Minus. CW of course. What else is there? Do you own a Mic?
HI HI.

TTFN 73 Frank KE6VHM / AA
Grid Square DM13
Woodcrest, CA
sCQs#27 / QRP-L #1323 / AK/QRP #269
ICQ UIN# 1778080 ASK ME!!!
CW Forever - Have Paddle will Pound
ke6vhm@earthlink.net

Date: Fri, 3 Jul 1998 20:20:03 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [14307] Brown Brothers BTL and Bencher Restoration
Message-ID: <199807031920.UAA09181@chuck.dallas.sgi.com>

Gang,

On my home page I finally got the final pictures of the restoration done to both the Brown Brothers BTL Iambic Paddle and the Bencher Iambic Paddle. Both paddles purchased at HamCom in early June. Project significantly delayed due to travel and the fact that I had to rapidly pack for a move to a new QTH just 4 miles from the old QTH. So, if you are interested and can surf, have a look at the work that anyone can do given the time.

Investment was \$55 for both paddles and an AEA MM-3 included

and another \$7 or so for the paint. Clif in OK was kind enough to send me a piece of scrap plastic in bright red that did nicely for the plastic pieces for the Bencher. The original clear plastic pieces are still good but I wanted to experiment on cutting the plastic with the scroll saw before attacking the elliptical pattern needed for the Brown Brothers paddle. I'll let you know when I get that done and I'm hoping by Monday, but don't hold me to it. :-)

Some hints not yet shown on the page. Use 2" masking tape to protect the plastic and to draw the pattern(s) onto.

Allow plenty of time for the paint to cure for EACH coat. This is the hard part, but the primer coats got two weeks to cure and then each side got 72 hours to cure. Work on the unbuilt kits while the paint dries/cures/wrinkles/....

So, the next thing that I gotta learn is how to nicely round the edges of the plastic and polish. The red plastic to be used for the Brown Brothers and a couple of NorCal/K8FF paddles also. :-)

FYI

P.S. On the move, I'm in deep serious trouble for an antenna system. Small back yard and no trees in the front. Phyllis had to find us a place in a hurry and while I was gone, but this will be interesting. No hints please. Let's see if I can work out the problem in a week without any help. :-)
Consider it a handicap for me for the foxhunt(s) and MI QRP Test tomorrow. ;-)
Good news is that the QTH is only for 363 days.

Chuck Adams K5F0 Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 03 Jul 1998 15:58:22 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU
Subject: [14308] QRP DX on 20 This Morning.
Message-ID: <19980704.201343.6791.3.k7sz@juno.com>

Boy! The bands were hoppin' this morning.

Heard a bunch of JAs coming in and worked two, one thru a pile up and the other (JA4CZY) who was calling CQ DX. I was using the Argosy-II at 5 watts to the TH7 @ 52 ft.

The latter op was in Osaka, the sister city to Spokane, Wa, my old stompin' grounds. We held a 15 minute rag chew in the middle of KW Alley on 20 meters! Found out that he was very good friends with W7HCJ, Ralph Farano (SK), who owned HCJ Electronics out on Sprague Ave in Spokane. My Elmer, George Comstock, W7CJ (SK) took me to HCJ's to buy my first transmitter, a Heathkit DX-40. I use to work Ralph's son on a regular basis on 80 mtr Novice band in 1963.

Talk about a small world.

Then the capper:

AH8A, Bill, in Am Samoa.....my rpt was a 57 from the island! Told him I was QRP AFTER we exchanged reports and he was genuinely impressed with the contact.

Work 'em while you can! Who says you need a KW on 20 meters! The best thing is posting these to the DX cluster....really gets the QRO types!

73 rich K7SZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 3 Jul 1998 16:12:51 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU, forsale-swap@qth.net
Subject: [14309] For sale swap.....Wanted
Message-ID: <837935f3.359d3b44@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,
Still looking for the 40 SSB MFJ rig.
Also have MINT CONDITION MFJ CW Xcver for sale or trade
Don't need three of them
Bob
WA2HOQ

Date: Fri, 3 Jul 1998 15:34:44 -0500
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@Lehigh.EDU>
Subject: [14310] MAJOR Problem
Message-ID: <01bda6c2\$038424e0\$136afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I had been using a server before the present one. Now I am getting two of everything. I believe that the unsubscribe I sent to Listserv wasn't acted upon. I could unsubscribe from the list, and see if everything goes away, but then I will miss some traffic. If I weren't talking to a machine, and could talk with a person, I could get it done.

Any Ideas?? PLEEEZE!!

foxy w5hir@gte.net

If it ain't broke, don't mess with it!

Date: Fri, 03 Jul 1998 13:39:25 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [14311] Re: Brown Brothers BTL and Bencher Restoration
Message-ID: <359D417D.BC49D5BB@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

If you haven't visited Chuck's webpage and view his handiwork on these paddles, do it now. Chuck has transformed a pair of junk box specials into collectors items. Good work, Chuck.

Chuck Adams wrote:

> Gang,
>
> On my home page I finally got the final pictures of the
> restoration done to both the Brown Brothers BTL Iambic
> Paddle and the Bencher Iambic Paddle.

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 03 Jul 1998 04:00:43 -0700
From: Lisa Osier <osier@northnet.org>
To: qrp-l@Lehigh.EDU
Cc: osier@northnet.org
Subject: [14312] "How low can you go???"
Message-ID: <359CB9DB.4879@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang!!!

Now that Ten Tec no longer makes the model 290 attenuator ,
what if any comparable products are there???.....Homebrewing is a easy
way to solve the problem...any one have any plans for a step
attenuator???

For something different..try seeing how many consecutive QSOs
can be made with 1 watt, 500mw, or 100mw..or even less...I do this myself
to break up the same old 5 watt doldrums.....The time is near for the
bands to take off again..look for me on 40 and 15 or even 10
meters....novice section....and we can turn the power WAY DOWN!!!!!!

73/72S
George Osier N2JNZ

Date: Fri, 03 Jul 1998 17:06:34 EDT
From: k7sz@juno.com (Rick Arland)
To: w5yr@swbell.net, qrp-1@Lehigh.EDU
Subject: [14313] Re: CB/QRP & 10 Meter AM
Message-ID: <19980704.212203.6791.4.k7sz@juno.com>

On Thu, 02 Jul 1998 22:44:09 -0500 "George T. Baker" <w5yr@swbell.net> writes:

>Call Tech America at 1-800-877-0072 and give the operator Stock No.
>940-0728 and Secret Code XGAA2. With \$4 UPS Ground and TX tax, the
>total came to just over \$23.

George and Gang:

Just ordered 2 of these little CB HTs and the total cost is only \$40.02
WITH SHIPPING!

This is a steal of a deal....even if you don't intend on putting them on
10 meter Alpha Mike.

My two are going in the car and camper, respectively. Since I average
about 32,000 miles per year driving, a small CB HT can come in handy for
avoiding traffic tie ups and road construction. Hey, you don't have to
listen constantly to that trash on Chnl 19, but a CB rig can come in
handy sometimes. Not to mention during times of natural/man-made disaster
when it might be nice to be able to interface with the local REACT
chapter. In addition, our local neighborhood watch folks all use CB HTs
on chnl 14 when they are out patrolling.....makes for some interesting
listening especially when something is happening.

Now for 10 AM....I would recommend using some older xtal controlled HTs
and tube type CB sets. For one thing, there is no hassle involved with
recrystling the CBs to work on 10 meters. I have an old Polycom-II and a
Knightkit that I am converting later this year. Most activity, from what
I gather, is around 29.0 to 29.4 MHz, with 29.0 being the calling freq.
Just buy the xtals and retune the rig. Many of the newer CB rigs cannot
be converted to 10 meters without extensive work, namely completely
replacing the PLL circuitry...something that is time consuming and not
everyone's cup of tea. Lou Franklin and N6 in Arizona, who owns CB
International has several books out on the subject....he advertises in CQ
and QST. His master list of PLLs quickly tells whether or not that
particular chip or rig can be easily converted.

73 rich K7SZ

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 3 Jul 1998 17:16:43 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14314] 300 ohm TWINLEAD CLARIFICATION
Message-ID: <9e247d1d.359d4a41@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Folks,
Some help on clarifying 300 ohm twin lead question. At the local hardware store and RS there is the SEMI-CLEAR, the BROWN, and the LOW LOSS BLACK (foam filled) 300 ohm twinleads. The SEMI-CLEAR states for indoor use, the BROWN only states non-UL. The BLACK foam filled is heavier and a bit bulkier to use.

Can the BROWN twin lead be used effectively for outdoor feed lines or the SLV or should only the heavier BLACK LOW LOSS be used?

Note that some books make reference to antenna feed as FLAT 300 OHM TV line.
Alan KB7MBI

Date: Fri, 03 Jul 1998 17:29:37 -0400
From: Bob Edwards <w4ed@flash.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14315] Re: 300 ohm TWINLEAD CLARIFICATION
Message-ID: <359D4D41.D4D7EA2F@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

> Some help on clarifying 300 ohm twin lead question. At the local hardware
> store and RS there is the SEMI-CLEAR, the BROWN, and the LOW LOSS BLACK (foam
> filled) 300 ohm twinleads.

I've used all three outside for HF transmission line.

Twin lead is my HF transmission line of choice.

The clear lasted about two years then got brittle and started to crack. The other two are still going strong after 4 years.

As far as loss is concerned, all three are at much lower loss than coax at HF. At VHF and UHF the foam filled is somewhat better, but don't think there is any difference at HF.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Fri, 03 Jul 1998 17:40:29 -0400
From: mike czuhajewski <wa8mcq@abs.net>
To: QRP forum <qrp-l@Lehigh.EDU>
Cc: Mike Czuhajewski <wa8mcq@abs.net>
Subject: [14316] Re field day filters
Message-ID: <359D4FCD.7F31@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From a recent post by N6MM--

"In addition to the article mentioned by Tracy at Bytemark there was another article specifically targeting the field day environment in the June, 1994 issue of QST, page 32, titled, "Inexpensive Interference Filters" by Alan Bloom, N1AL....[snipski]... I have built units on 160m and 80m for myself and friends with good results. They will handle the typical exciter power levels of 100+ watts and are not too hard to tweak to the desired range with an Autek analyzer or other devices."

As always, your mileage may vary, and here's how mine varied. In 1995 someone at my radio club bought a kit to build a 5 band version of this filter (not sure who the kit came from) and talked me into building it for Field Day. It was NOT fun or easy. The kit supplied wire of a certain size to be used with the cores supplied--think they were both what was specified in the article--but it was extremely difficult to wind them. After all, in some cases you had to wind two pieces of

wire side by side, doubling up--and I think one band was even three pieces side by side. Basically, they completely filled the core, with no room left over whatsoever, absolutely NO room left to spread or compress windings to tune the filters. In one case I even had to toss out the wire supplied--which WAS of the specified size--and use my own wire of one size smaller just to get all the turns onto the core.

Tuning was no fun, either. The only way to do it was solder a variety of different caps in place. Get a handful of caps that were of the proper nominal value, then try different ones and hope that some were far off enough of the nominal value to work. At least I had a network analyzer at work to do this with (essentially the same principle as using a spectrum analyzer with tracking generator to sweep a circuit), and that simplified the tuning. Still, it was not fun, and it was quite tedious, with all that soldering. Since I'm a techno-wienie this was all no problem, but I pity the poor person who had to build the kit with no test equipment available.

Not sure what the punch line of all this is, except maybe to beware of anything that uses toroids in which the wire is so tightly packed that you can't spread or compress the turns :-)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net

End of QRP-L Digest 1141
